

What is claimed is:

1. A motor comprising:

a rotor;

an armature coil;

a conductive case for accommodating said rotor;

a member for grounding said case;

a shaft having a portion extending outward from said case;

a bearing fixed to said case for rotatably supporting said shaft;

means, including a conductive member in contact with said shaft and said case, for pressing said conducting member between said shaft and said case.

2. The motor as claimed in claim 1, wherein

said means comprises a resilient contact member integrated with said case.

3. The motor as claimed in claim 2, wherein

said means comprises a parallel portion extending in the direction in parallel with said shaft and a slant portion slanting toward the center of said shaft.

4. The motor as claimed in claim 3, further comprising

a housing for fixing said case, wherein

said means further comprises a disk portion

held between said case and said housing.

5. The motor as claimed in claim 4, wherein  
said ring portion comprises a plurality of slanted spring  
members.

6. The motor as claimed in claim 3, wherein  
said motor further comprises a noise suppressing circuit  
having a pair of noise suppressing coils connected in series  
with said armature coil and a capacitor connected in parallel  
with said pair of noise suppressing coils.

7. The motor as claimed in claim 4, wherein  
said motor further comprises a noise suppressing circuit  
having a pair of noise suppressing coils connected in series  
with said armature coil and a capacitor connected in parallel  
with said pair of noise suppressing coils.

8. The motor as claimed in claim 1, wherein  
said means comprises a resinous bearing holder for  
holding said bearing,  
said bearing has a spherical outer surface, and  
said bearing holder has a spherical inner surface to  
which said bearing is fitted.

9. The motor as claimed in claim 1, wherein  
said means comprises a conductive bearing holder fixed

to said case and having a resilient contact member in contact with said bearing.

10. The motor as claimed in claim 9, further comprising a magnetic core and a permanent magnet disposed opposite said magnetic core to magnetically link with each other, wherein

said means comprises said magnetic core and said permanent magnet disposed to generate a magnetic force to press said contact member against said bearing.

11. The motor as claimed in claim 1, wherein said means comprises said case as said contact member.

12. The motor as claimed in claim 11, further comprising a magnetic core and a permanent magnet disposed opposite said magnetic core to magnetically link with each other, wherein

said means comprises said magnetic core and said permanent magnet disposed to generate a magnetic force to press said contact member against said bearing.

13. The motor as claimed in claim 1, wherein

said bearing is directly fixed to said case,

said shaft has a collar, and

said means comprises a spring

washer held between said bearing and said collar.

14. The motor as claimed in claim 13, further comprising

a bearing-holding washer having a resilient projecting member,  
wherein

said means comprises resilient projecting member.

15. The motor as claimed in claim 13, further comprising  
a housing for fixing said case, wherein

said means further comprises a disk portion held between  
said case and said housing.

16. The motor as claimed in claim 15, wherein

said disk portion comprises a plurality of slanted spring  
members.

17. The motor as claimed in claim 1, further comprising  
a conductive shield member disposed between said shaft and said  
case, wherein

said means comprises said shield member.

18. The motor as claimed in claim 1, wherein

said motor further comprises a noise suppressing circuit  
having a pair of noise suppressing coils connected in series  
with said armature coil and a capacitor connected in parallel  
with said pair of noise suppressing coils.

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